

Product Data Sheet

Product Name: Men 10376 TFA

Cat. No.: GC36582

Chemical Properties

Cas. No.

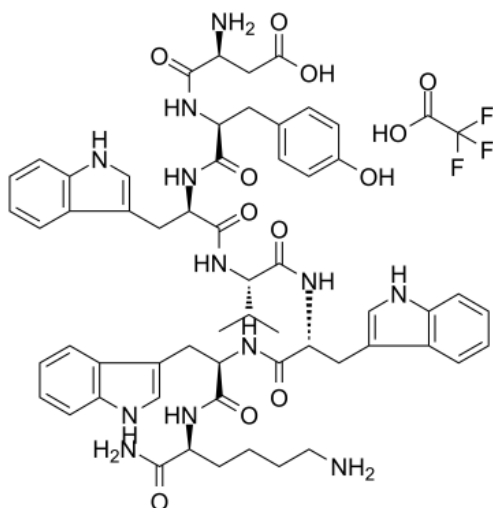
Formula $C_{59}H_{69}F_3N_{12}O_{12}$ M.Wt 1195.25

Solubility Water: 1.43 mg/mL (1.20 mM) Storage -20°C , protect from light

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Men 10376 TFA is a selective tachykinin NK-2 receptor antagonist, with a K_i of $4.4\ \mu\text{M}$ for rat small intestine NK-2 receptor[1]. K_i : $4.4\ \mu\text{M}$ (NK-2 receptor, rat small intestine)[1]

Men 10376 is a selective tachykinin NK-2 receptor, with a K_i of $4.4\ \mu\text{M}$, and shows low selectivity for NK-1 and NK-3 receptors (K_i , $>10\ \mu\text{M}$)[1]. Men 10376 shows pA_2 s of 5.66 and 8.08 for NK-1 (guinea-pig ileum) and NK-2 receptors (endothelium-deprived rabbit pulmonary artery). Men 10376 shows no effect on NK-3 receptor (K_i , $>10\ \mu\text{M}$)[2].

Men 10376 (1 and $3\ \mu\text{mol/kg}$) antagonizes increase in bladder motility produced by the NK-2 receptor

Caution: Product has not been fully validated for medical applications. For research use only.

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agonist in rats[2].

[1]. Quartara L, et al. N-terminal truncated analogs of men 10376 as tachykinin NK-2 receptor antagonists. Life Sci. 1992;51(25):1929-36. [2]. Maggi CA, et al. In vivo evidence for tachykininergic transmission using a new NK-2 receptor-selective antagonist, MEN 10,376. J Pharmacol Exp Ther. 1991 Jun;257(3):1172-8.

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